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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/798,860	03/12/2004	Chae-Whan Lim	46371

CONFIRMATION NO. 6676

FORMALITIES LETTER



OC000000012810912

001609

ROYLANCE, ABRAMS, BERDO & GOODMAN, L.L.P.
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Date Mailed: 05/28/2004

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Filing Date Granted

An application number and filing date have been accorded to this application. The application is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given TWO MONTHS from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121 are required. The drawings submitted are not acceptable because:
 - The drawing figures contain text that is not in English (including, for example, a flow chart that was originally not in English that has been marked up to include the English text) (see 37 CFR 1.84(p)(2) and 37 CFR 1.52(d)(1)). See Figure(s) 21B-21D, 28E, 28F, 38A, 38B, 38I, 40A, 40B, 40G, 42A, 42B, 42C.
 - The drawings submitted to the Office are not electronically reproducible. Drawing sheets must be submitted on paper, which is flexible, strong, white, smooth, non-shiny, and durable (see 37 CFR 1.84(e)). See Figure(s) 14A-14E, 21A-21H, 26A-26H, 38C-38H, 40B-40F, 41A, 42A, 43A, 44A too dark.

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ROYLANCE, ABRAMS BERDO & GOODMAN, L.L.P.	
BY	<i>[Signature]</i>

*A copy of this notice **MUST** be returned with the reply.*

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Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

46371



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	:	
	:	Group Art Unit: 2621
Chae-Whan Lim et al.	:	
	:	Examiner:
Serial No.: 10/798,860	:	
	:	
Filed: March 12, 2004	:	
	:	
For: PREPROCESSING DEVICE AND	:	
METHOD FOR RECOGNIZING	:	
IMAGE CHARACTERS	:	

RESPONSE TO NOTICE TO FILE CORRECTED PAPERS

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Sir:

This is a response to the "Notice To File Corrected Papers", which was mailed on May 28, 2004 for the subject application.

The application is considered informal by the Initial Patent Examination Group since the drawings are viewed as not complying with 37 CFR 1.84 and 37 CFR 1.121. Specifically, the IPE contends that the FIGS. 21B-21D, 28E, 28F, 38A, 38B, 38I, 40A, 40B, 40G, 42A, 42B, and 42C contain text that was not in English that has been marked up to include the English text.

This is incorrect. The text has not been marked up to include the English text. The English text always existed with the Korean text. As an explanation, the invention pertains to an image recognition device. In order to illustrate the image recognition process, a business card containing English text and Korean text was scanned and used as an example in the drawings the IPE group now objects to. The business card contains English text and Korean text to allow people who either know English or Korean to understand what is on the card. Thus, the figures do comply with 37 CFR 1.84 and 37 CFR 1.121 and replacement drawings for FIGS. 21B-21D, 28E, 28F, 38A, 38B, 38I, 40A, 40B, 40G, 42A, 42B, and 42C are not required.

The IPE also contends that some of the drawings are not electronically reproducible. Specifically, FIGS. 14A-14E, 21A-21H, 26A-26H, 38C-38H, 40B-40F, 41A, 42A, 43A, and 44A were found to be too dark.

As previously discussed, the invention relates to an image recognition device. As examples, different types of images were scanned. For example clear images as well as dark images were scanned. The figures show the different stages of recognition for the different images. Images that appear blurry are intentionally meant to be blurry. For example, some of the text in the figures are shown as being digitized. Taken by themselves, some of the figures may appear meaningless. However, they must be taken in conjunction with the specification. In addition, the invention uses a process of differentiating the background from the foreground. The background is darkened and the text is lightened. This is done in stages (see FIGS. 26A – 26H).

It is possible that the copies of FIGS. 14A-14E, 21A-21H, 26A-26H, 38C-38H, 40B-40F, 41A, 42A, 43A, and 44A that the IPE received are not clear. Applicants are submitting herewith in compliance with 37 CFR 1.84 twenty (20) sheets of replacement drawings for FIGS. 14A-14E, 21A-21H, 26A-26H, 38C-38H, 40B-40F, 41A, 42A, 43A, and 44A. Acceptance of the replacement drawings is respectfully requested.

Respectfully submitted,



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